

STAINLESS FIBER

Filter elements for power generation and other fire resistant applications

High Performance protection against corrosive fluid & high temperatures. S FIBER upgrades from glass media

Performance

Temperature: Viton®: -20°F ~ 250°F, -29°C ~ 121°C

Standard Element Collapse:

Up to ΔP 3000 psi, ΔP 204 bar

Media Description

EHC systems commonly use phosphate ester which can develop high TAN (total acid number) when exposed to water. The acid attacks the binding agent in glass fiber media. The result is lower efficiency and media migration, or fiber shedding, where the filter is generating contamination.

S FIBER media utilizes sintered stainless steel fibers which are impervious to the acidic compounds that form in EHC systems.

Non-compressible media yields long on-stream life in high differential pressure applications.

Not affected by water & gelatinous contamination.

Absolute ratings from $\beta_2 = 200$, $\beta_{4.4_{[c]}} = 1000$, and $\beta_{4.4_{[c]}} D = 500$ (DFE efficiency rating)

Dynamic Filter Efficiency Testing

DFE rated elements perform true to rating even under demanding variable flow and vibration conditions.

Today's industrial and mobile hydraulic circuits require elements that deliver specified cleanliness under all circumstances. Wire mesh supports the media to ensure against cyclical flow fatigue, temperature, and chemical resistance failures possible in filters with synthetic support mesh.

Applications

Hydraulic applications where fire resistant fluids are utilized. Including EHC for power generation, jack-up/lift-up system for turbine start up, governor control circuit for turbine speed. Primary metals applications.

Upgrades from glass media available for the following manufacturers:

GE	Westinghouse	ABB
Pall	Parker	Hilco
Kaydon	Indufil	



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Typical Elements Upgraded to Stainless Fiber

Pall

HC9401FDP13Z
 HC9401FDP13ZYGE
 HC9401FDT13Z
 HC9401FDT13ZYGE
 HC9601FDP11Z
 HC9601FDP11ZYGE
 HC9601FDT11Z
 HC9601FDT11ZYGE
 HC9601FDP16Z
 HC9601FDT16Z
 HC9601FDP21ZYGE
 HC9601FDT21Z
 HC9601FDT21ZYGE
 HC9651FDP8Z
 HP9651FDT8Z
 HP9651FDP16Z
 HP9651FDT16Z

Hy-Pro

HP41L13-3SFV
 HP41L13-3SFV
 HP41L13-10SFV
 HP41L13-10SFV
 HP61L11-3SFV
 HP61L11-3SFV
 HP61L11-10SFV
 HP61L11-10SFV
 HP61L16-3SFV
 HP61L16-10SFV
 HP61L21-3SFV
 HP61L21-10SFV
 HPz1L21-10SFV
 HP51L8-3SFV
 HP51L8-10SFV
 HP51L16-3SFV
 HP51L16-10SFV

Pall

HC9021FDP4Z
 HC9021FDP4ZYGE
 HC9021FDT4Z
 HC9021FDT4Z YGE
 HC9021FDP8Z
 HC9021FDP8ZYGE
 HC9021FDT8Z
 HC9021FDT8ZYGE

Hy-Pro

HP21L4-3SFV
 HP21L4-3SFV
 HP21L4-10SFV
 HP21L4-10SFV
 HP21L8-3SFV
 HP21L8-3SFV
 HP21L8-10SFV
 HP21L8-10SFV

General Electric

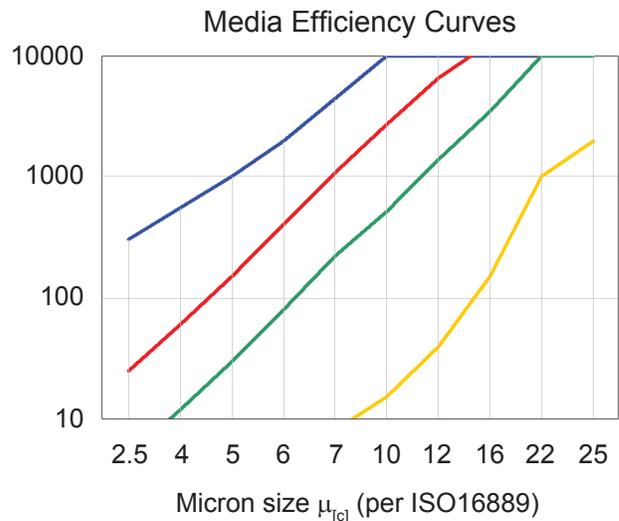
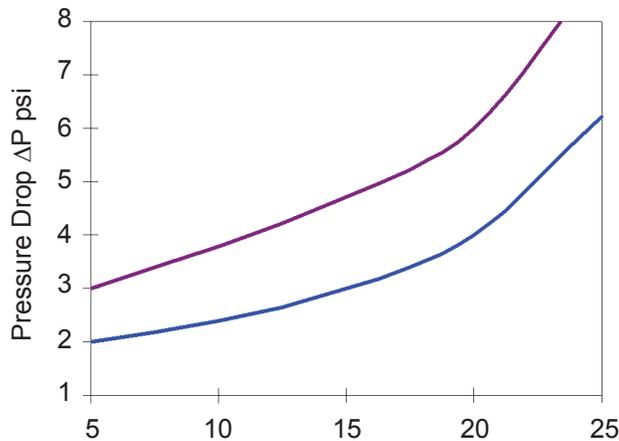
234A6578P0002
 234A6579P0002
 254A7229P0005
 254A7729P0008
 254A7220P0008
 258A4860P002
 258A4860P004
 361A6256P010
 B984C302P012

Hy-Pro

HPQ210128L13-3SFV
 HPQ210129L13-3SFV
 HPQ210130L13-3SFV
 HPQ210131L13-3SFV
 HPQ210132L13-3SFV
 HPQ210133L11-3SFV
 HPQ210134L21-3SFV
 HPQ210135L18-3SFV
 HP21L4-10SFV

Typical Pressure Drop Performance vs Glass

Flow Rate vs Element Pressure Drop
 (Test Fluid: Mil-H-5606, 100°, 150 sus viscosity)



FILTRATION